

Library
rec'd 9.8.63

BOROUGH OF DARWEN



ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH INCLUDING THE ANNUAL REPORT OF THE SENIOR PUBLIC HEALTH INSPECTOR FOR THE YEAR 1962

R. C. WEBSTER

B.Sc., M.D., D.P.H., D.C.H.

Medical Officer of Health

E. P. McGLYNN,

C.S.I.B., M.A.P.H.I.

Senior Public Health Inspector

B O R O U G H O F D A R W E N

=====

R E P O R T

on the

HEALTH and SANITARY

ADMINISTRATION

of the BOROUGH

FOR THE YEAR 1962

By

R. C. WEBSTER, B.Sc., M.D., D.P.H., D.C.H.

Medical Officer of Health

and

E. P. McGLYNN, C.S.I.B., M.A.P.H.I.

Senior Public Health Inspector

MEMBERS OF THE PUBLIC HEALTH COMMITTEE

1962 - 63

THE WORSHIPFUL THE MAYOR, COUNCILLOR MRS. M. ASPDEN, J.P.

CHAIRMAN :

* COUNCILLOR J. C. STUART

VICE-CHAIRMAN :

* ALDERMAN A. KAY, J.P.

Ald. A. BARNES	Coun. H. F. HASLAM
Ald. J. BRAITHWAITE	Coun. J. HAWORTH
Ald. Miss. M. BROUGHTON, J.P.	* Coun. C.W. JONES
Ald. P.S. HUNT	Coun. Miss. C. MARSDEN
Ald. E. YATES, LL.B., J.P.	* Coun. J. McGLYNN
* Coun. D. DAVIDSON	Coun. R. PARKINSON
Coun. H.R. EVANS	Coun. Miss. A. C. PLACE
Coun. C.R. GRILLS	Coun. A. PRESTON
Coun. G. HARWOOD	Coun. Dr. J. ROBINSON, M.D.
* Coun. G. W. SNAPE	

JOHN CHADWICK FIELDING, LL.B.

Town Clerk.


* Members of the Public Health Sub-Committee

STAFF of the PUBLIC HEALTH DEPARTMENT

=====

OFFICERS

Medical Officer of Health	(R. C. Webster, B.Sc., M.D.,
Divisional Medical Officer,	(D.P.H., D.C.H.
Lancashire County Council	(
Deputy Medical Officer of Health	(Sheila M. WHEELER, L.R.C.P.,
Senior Assistant Divisional	(L.R.C.S., L.R.F.P & S.,
Medical Officer,	(D.R.C.O.G., D.P.H.
Lancashire County Council.....	((Appointed 28/2/62).
Senior Public Health Inspector	(Edmund P. McGLYNN, C.S.I.B.,
Inspector of Meat and Other Foods	(Cert.Insp.Meat and Other Foods,
Director of Public Cleansing.....	(Smoke Insp. (Cert) M.A.P.H.I.,
	(M.R.S.H.
	(H.RAMSBOTTOM, C.S.I.B., Cert.Insp.
	(Meat and Other Foods, M.A.P.H.I.
District Public Health Inspectors	(P.H.WATSON, C.S.I.B., Cert. Insp.
	(Meat and Other Foods, M.A.P.H.I.
Public Health Inspector's	(B. TAYLOR
Articled Pupil	(
Chief Clerk	J. BOLTON
	(Miss. M. DUCKWORTH
	(Miss. K. HARGREAVES (commenced
Clerical Staff	(3/9/62)
	(Miss. L. GREGORY (resigned 10/8/62)
	(Mrs. O.B.PARRY (resigned 14/9/62)
	(F. TOWNLEY (transferred 29/4/63)



Digitized by the Internet Archive
in 2017 with funding from
Wellcome Library

<https://archive.org/details/b29152380>

CLINICS and TREATMENT CENTRES

Name of Clinic or Centre	Situation	Day and Time	By Whom Provided
Child Welfare & Diphtheria Immunisation	Civic Health Centre	Monday 2 p.m. Thursday 2 p.m.	Lancashire County Council
Ante-Natal	Civic Health Centre	Tuesday 10 a.m. Thursday 10 a.m. Wednesday 2 p.m. 1st and 3rd Fridays..... 9.30 a.m. (Specialist)	Lancashire County Council
Ante-Natal Relaxation	Civic Health Centre	Wednesday 2 p.m.	Lancashire County Council
Speech Therapy	Civic Health Centre	Monday a.m & p.m. Wednesday p.m. Thursday a.m. (by appointment)	Lancashire County Council
Maternity & Child Welfare Dental and School Dental	Civic Health Centre	Tuesday to Friday 9.30 a.m. to 12.30 p.m. and 1.30 p.m. to 4.30 p.m. (by appointment)	Lancashire County Council
School Clinics	Civic Health Centre	Minor Ailments Monday to Friday 9.0 a.m. & 4. p.m. Tuesday 2 p.m. Friday 2 p.m. (by appointment)	Lancashire County Council
Ophthalmic	Civic Health Centre	Monday a.m. (by appointment)	Lancashire County Council

... continued ...

... continued....

CLINICS and TREATMENT CENTRES

Name of Clinic or Centre	Situation	Day and Time	By Whom Provided
Ear, Nose and Throat	Civic Health Centre	Tuesday p.m. (by appointment)	Lancashire County Council
Orthopaedic	Civic Health Centre	Wednesday 10 a.m. (by appointment)	Lancashire County Council
Chiropodist	Civic Health Centre	Monday p.m. Thursday p.m. (by appointment)	Lancashire County Council
Cardiac Clinic for Expectant and Nursing Mothers	Queen's Park Hospital, Blackburn	1st Tuesday in every month (by appointment)	Blackburn & District Hospital Management Committee
Tuberculosis Dispensary	Royal Infirmary Blackburn	Tuesday 9 a.m. to 12 noon. Wednesday 1.30 p.m. to 4.30 p.m. Alternate Thursday 9 a.m to 12 noon. Friday 1.30 p.m. to 4.30 p.m. 1st Friday in every month	Manchester Regional Hospital Board
Venereal Diseases	Royal Infirmary Blackburn	Males & Females Monday 2 p.m to 4 p.m. 5 p.m to 7 p.m. Wednesday 5 p.m. to 7 p.m. Thursday 2 p.m. to 4 p.m.	Manchester Regional Hospital Board
B.C.G. Vaccination Prevention of Tuberculosis	Royal Infirmary Blackburn	By appointment	Manchester Regional Hospital Board
Poliomyelitis	Civic Health Centre	Monday p.m. Thursday p.m. (by appointment)	Lancashire County Council



Civic Health Centre,
Darwen.

July, 1963.

To the Chairman and Members of the
Legislative Committee.

Ladies and Gentlemen,

I have pleasure in presenting to you the Annual Report of the
Public Health Department for 1962.

The remarkably low infantile mortality rate is for the second
successive year substantially below that for the whole country, and
this year it was also accompanied by a low still birth rate. Infectious
diseases were negligible except for measles and some dysentery, and
these had only a "nuisance value". Facts such as these are a welcome
contrast to the conditions of fifty, and even of twenty-five years
ago. Tuberculosis also continues to decline in importance.

The importance of a close watch on water supplies was shown
when unsatisfactory reports on a public supply called for prompt
action.

A satisfactory year during which as always it has been pleasant
to work for an understanding and energetic authority and with
friendly colleagues.

I am, Ladies and Gentlemen,

Your Obedient Servant,

R. C. WEBSTER,

MEDICAL OFFICER OF HEALTH.

P A R T 1.

=====

Statistics and Social Conditions

General Provisions of the Health Services

Prevalence and Control of Infectious Diseases

B Y

R. C. WEBSTER, B.Sc., M.D., D.P.H., D.C.H.

MEDICAL OFFICER OF HEALTH

SUMMARY of STATISTICS and SOCIAL CONDITIONS, 1962

=====

GENERAL INFORMATION

Geographical Position	Lat. 53° 41' 25" N Lon. 2° 28' 32" W
Elevation above sea level	500 ft. to over 800 ft.
Geological formation	Boulder clay and sand, over coal measures.
Area (in acres)	5,959
Population - Census, 1961	29,452
Population - Registrar - General's Mid-year Estimate for 1962	29,570
Number of Inhabited Houses - Census 1961	10,532
Number of Inhabited Houses at end of 1962	10,510
Number of Families or Separate Occupiers at Census, 1961	10,532
Rateable Value	£ 313,829
Sum represented by a Penny Rate	£ 1,210

The inhabitants are mainly of the artisan, or working class, and the principal industries are cotton weaving, paper making and staining, plastic and paint manufacturing and engineering trades.

Of a total of 13,072 insured adult persons, the average per cent unemployed was 3.16. The corresponding figures for 1961 were :-

Insured adult persons	12,953
Average per cent unemployed	1.3

SUMMARY OF VITAL STATISTICS

=====

		<u>Males</u>	<u>Females</u>	<u>Total</u>		
LIVE BIRTHS	(Legitimate	220	233	453	Birth-rate per 1,000 Estimated Home Population mid 1962. Crude 16.4 Adjusted 17.7	
	(
	(Illegitimate	12	20	32		
	(----	----	----		
	(<u>Total</u>	232	253	485		
	(====	====	====		
STILL BIRTHS	(Legitimate	5	-	5	Rate per 1,000 total Births : 14.2	
	(
	(Illegitimate	2	-	2		
	(--	--	--		
	(<u>Total</u>	7	-	7		
	(==	==	==		
DEATHS	(Death-rate per 1,000 estimated home population mid 1962. Crude 15.6 Adjusted 15.2	
	(
	(..... 232	230	462			
	(
	(
MORTALITY RATES PER 1,000 EST. POPULATION	(
	(Respiratory T.B.			0.07		
	(Malignant Neoplasms, etc.			2.81		
MATERNAL MORTALITY	(Deaths from Pregnancy, Childbirth and Abortion ..			nil		
	(Mortality Rate per 1,000 total Births			nil		
INFANTILE MORTALITY (Infants under the age of one year)	(<u>Males</u>	<u>Females</u>	<u>Total</u>	
	(
	(Legitimate Infants	nil	3	3		
	(Illegitimate Infants	nil	nil	nil		
	(----	---	---		
	(Total Deaths	nil	3	3		
	(====	====	====	
	(
	(Rate per 1,000 Live Births				6.2	

INFANTILE MORTALITY RATES

YEAR	DARWEN	ENGLAND AND WALES
1953	24	26.8
1954	28	25.5
1955	23	24.9
1956	27	23.8
1957	26	23.0
1958	20.1	22.5
1959	28.4	22.0
1960	30.6	21.7
1961	16.0	21.4
1962	6.2	21.4

OTHER INFANT DEATHS

	Total	Rate per 1,000 population
Deaths from Measles (at all ages) ...	nil	0.000
Deaths from Whooping Cough (at all ages)...	nil	0.000
Deaths from Diarrhoea (under two years)	nil	0.000

NEO-NATAL MORTALITY

Deaths of Infants under 4 weeks of age	2
Mortality Rate per 1,000 Live Births	4.1

EARLY NEO-NATAL MORTALITY

Mortality Rate per 1,000 Live Births	2.1
--	-----

PERINATAL MORTALITY

Mortality Rate per 1,000 Total Births	16.3
---	------

Please Note :-

"Perinatal Mortality" shows the total number of stillbirths and total number of Infant Deaths during the first week of age".

BIRTHS. The number of live births registered during the year was 485, giving a birth-rate adjusted by comparison with the estimated home population of 17.7 per 1,000. The trend of this rate over the past ten years in comparison with the rate for England and Wales is shown in the following table -

YEAR	DARWEN				ENGLAND AND WALES
	NUMBER OF BIRTHS			RATE PER 1,000	RATE PER 1,000
	MALE	FEMALE	TOTAL		
1953	223	240	463	16.1	15.5
1954	212	188	400	14.4	15.2
1955	211	222	433	15.6	15.0
1956	204	201	405	14.7	15.7
1957	224	207	431	15.6	16.1
1958	228	219	447	16.3	16.4
1959	238	220	458	16.8	16.5
1960	235	222	457	16.8	17.1
1961	250	250	500	18.2	17.4
1962	232	253	485	17.7	18.0

ILLEGITIMATE BIRTHS - The following table shows the number of illegitimate births and deaths for the past ten years :-

YEAR	NUMBER of BIRTHS	RATE PER CENT of LIVE BIRTHS	NO. OF DEATHS UNDER 1 YEAR	DEATH RATE PER 1,000 ILLEGITIMATE LIVE BIRTHS
1953	16	3.45	nil	nil
1954	12	3.00	nil	nil
1955	18	4.15	nil	nil
1956	21	5.18	2	95
1957	29	6.72	nil	nil
1958	26	5.45	nil	nil
1959	18	3.93	nil	nil
1960	19	4.15	nil	nil
1961	28	5.60	nil	nil
1962	32	6.59	nil	nil

STILLBIRTHS - The table given below sets out details relating to stillbirths for the past ten years :-

Year	Number of Stillbirths			Rate per 1,000 Births	Rate per 1,000 Population	
	Legitimate	Illegitimate	Total		Darwen	England & Wales
1953	16	1	17	35	0.55	0.35
1954	13	nil	13	31	0.42	0.36
1955	3	nil	3	7	0.09	0.35
1956	7	1	8	19	0.26	0.37
1957	12	nil	12	27	0.40	0.37
1958	10	nil	10	21.9	0.33	0.36
1959	14	nil	14	29.7	0.47	0.35
1960	16	nil	16	33.8	0.54	0.34
1961	10	4	14	27.2	0.47	0.33
1962	5	2	7	14.2	0.23	0.35

DEATHS - The number of deaths of Darwen residents which occurred during the year was 462, representing an adjusted death-rate per 1,000 of the population of 15.2

The trend of the death-rate of the Borough for the past ten years is shown below in comparison with the rate for England and Wales :-

Year	Darwen		England and Wales
	Total Deaths	Rate per 1,000	Rate per 1,000
1953	438	12.7	11.4
1954	493	14.8	11.3
1955	464	14.0	11.7
1956	462	15.2	11.7
1957	436	14.4	11.5
1958	507	16.7	11.7
1959	472	15.7	11.6
1960	430	14.3	11.5
1961	480	15.9	12.0
1962	462	15.2	11.9

The following is a copy of the information supplied by the Registrar-General of the causes and sex distribution of deaths of Darwen residents. The information does not include non-civilian deaths :-

CAUSE OF DEATH	MALES	FEMALES	TOTAL
Tuberculosis, Respiratory.....	2	-	2
Tuberculosis, Other.....	-	-	-
Syphilitic Disease.....	-	-	-
Diphtheria.....	-	-	-
Whooping Cough.....	-	-	-
Meningococcal Infections.....	-	-	-
Acute Poliomyelitis.....	-	-	-
Measles.....	-	-	-
Other Infective & Parasitic Diseases.....	-	-	-
Malignant Neoplasm, Stomach.....	7	6	13
Malignant Neoplasm, Lung, Bronchus.....	16	-	16
Malignant Neoplasm, Breast.....	-	6	6
Malignant Neoplasm, Uterus.....	-	6	6
Other Malignant & Lymphatic Neoplasms.....	20	22	42
Leukaemia, Aleukaemia.....	-	-	-
Diabetes.....	-	-	-
Vascular Lesions of Nervous System.....	35	47	82
Coronary Disease, Angina.....	60	38	98
Hypertension with Heart Disease.....	5	4	9
Other Heart Disease.....	23	29	52
Other Circulatory Disease.....	4	12	16
Influenza.....	3	3	6
Pneumonia.....	13	7	20
Bronchitis.....	15	14	29
Other Diseases of Respiratory System.....	4	-	4
Ulcer of Stomach and Duodenum.....	3	1	4
Gastritis, Enteritis and Diarrhoea.....	-	1	1
Nephritis and Nephrosis.....	1	2	3
Hyperplasia of Prostate.....	1	-	1
Pregnancy, Childbirth, Abortion.....	-	-	-
Congenital Malformations.....	-	4	4
Other Defined & Ill-Defined Diseases.....	9	19	28
Motor Vehicle Accidents.....	1	2	3
All Other Accidents.....	4	5	9
Suicide.....	6	2	8
Homicide and Operations of War.....	-	-	-
TOTALS.....	232	230	462

GENERAL PROVISIONS OF HEALTH SERVICES

=====

A comprehensive range of services is maintained by the Local Health Authority, Lancashire County Council, including Ante-Natal Clinics, Child Welfare Clinics, Speech Therapy Clinics and other School Health Services - Medical and Dental.

Ambulance service is provided by Lancashire County Council.

Hospital services are provided by Manchester Regional Hospital Board, including general hospital facilities in Blackburn and a Maternity Home in the former Darwen Infectious Diseases Hospital at Bull Hill.

LABORATORY FACILITIES

The Pathological and Bacteriological Department of the Blackburn and East Lancashire Royal Infirmary undertake the examination of pathological specimens for the Borough of Darwen, in accordance with the Government scheme now being officially carried out in this area by the Manchester Regional Hospital Board.

The bacteriological examination of food, water and other non-personal specimens is carried out by the Public Health Laboratory, Preston, acting for the Medical Research Council of the Ministry of Health.

PREVALENCE AND CONTROL OF INFECTIOUS DISEASES

The numerical and age incidence of infectious diseases, other than tuberculosis, is shown in the following table, which includes particulars of Darwen cases notified and accepted, cases removed to hospital, and deaths from infectious diseases. The so-called minor infectious diseases, other than measles and whooping cough, are not included in the table, as they are not notifiable in Darwen and, therefore, statistics as to their incidence are not reliable.

DISEASE	Total Cases at all Ages	Cases Notified and Accepted									TOTAL DEATHS	Hospital	
		Years										Cases remo- ved	Deaths in Hosp- ital
		Un- der 1	1	2	3	4	5	10	15	25 & over			
Smallpox.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever.....	25	-	1	-	1	5	9	5	4	-	-	2	-
Diphtheria (including Membranous Croup).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Enteric or Typhoid Fever (excluding Paratyphoid).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid Fever.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (exclud- ing Rubella).....	259	13	29	40	39	30	97	6	4	1	-	5	-
Whooping Cough....	6	-	4	-	-	-	1	1	-	-	-	-	-
Acute Pneumonia (Primary and Influenzal).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Pyrexia.....	4	-	-	-	-	-	-	-	1	3	-	3	-
Meningococcal Infection.....	-	-	-	-	-	-	-	-	-	-	-	-	-
ACUTE POLIO- MYELITIS :-													
Paralytic.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Paralytic....	-	-	-	-	-	-	-	-	-	-	-	-	-
ACUTE ENCEPH- ALITIS :-													
Infective.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-Infect- ious	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery.....	133	4	12	11	14	7	27	10	5	43	-	1	-
Ophthalmia													
Neonatorum.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas.....	1	-	-	-	-	-	-	-	-	1	-	-	-
MALARIA :-													
Contracted in England & Wales...	-	-	-	-	-	-	-	-	-	-	-	-	-
Abroad	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning....	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS :-	428	17	46	51	54	42	134	22	14	48	-	11	-

The following table gives the comparative incidence of Infectious Diseases during the past five years :-

DISEASE	1958	1959	1960	1961	1962
Smallpox	-	-	-	-	-
Scarlet Fever.....	30	45	26	47	25
Diphtheria (including Membranous Croup).....	-	-	-	-	-
Enteric or Typhoid Fever (excluding Paratyphoid).....	-	-	-	-	-
Paratyphoid Fever.....	-	-	-	-	-
Measles (excluding Rubella).....	307	27	902	180	259
Whooping Cough.....	4	42	120	8	6
Acute Pneumonia (Primary and Influenzal).....	5	14	8	2	-
Puerperal Pyrexia.....	4	5	2	2	4
Meningococcal Infection.....	-	-	-	1	-
ACUTE POLIOMYELITIS :					
Paralytic.....	-	-	-	1	-
Non-Paralytic.....	-	-	-	-	-
ACUTE ENCEPHALITIS :					
Infective.....	-	-	-	-	-
Post-Infectious.....	-	-	-	-	-
Dysentery.....	-	121	-	120	133
Ophthalmia Neonatorum.....	-	-	-	-	-
Erysipelas.....	-	2	-	-	1
MALARIA :					
Contracted in England & Wales...	-	-	-	-	-
Abroad.....	-	-	-	-	-
Food Poisoning.....	2	3	5	3	-
TOTALS :-	352	259	1063	364	428

TUBERCULOSIS

Cases of Tuberculosis were admitted to various Sanatoria under the Regional Hospital Board.

The Tuberculosis Scheme is administered by the Lancashire County Council and Regional Hospital Board, but the Area Tuberculosis Officer and Nurse maintain close co-operation with the Public Health Department, furnishing particulars about housing conditions and environment generally. The necessary disinfection is carried out by the Public Health Department.

The following table shows the age group incidence of new cases of tuberculosis notified, and the deaths from the disease, during 1962 :-

AGE PERIODS	NEW CASES				DEATHS			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M	F	M	F	M	F	M	F
Years								
0 - 1	-	-	-	-	-	-	-	-
1 - 2	-	-	-	-	-	-	-	-
2 - 5	-	-	-	-	-	-	-	-
5 -10	-	-	-	-	-	-	-	-
10 -15	-	-	-	-	-	-	-	-
15 -20	-	-	-	-	-	-	-	-
20 -25	-	1	-	-	-	-	-	-
25 -35	1	-	-	-	-	-	-	-
35 -45	1	-	-	-	-	-	-	-
45 -55	1	-	-	-	-	-	-	-
55 -65	1	-	-	-	1	-	-	-
65 -75	-	1	-	-	-	-	-	-
75 & upwards.....	-	-	-	-	1	-	-	-
	4	2	-	-	2	-	-	-
Totals	6		-		2		-	

The following table shows the number of new cases of Tuberculosis placed on the Register during the last 10 years :-

YEAR	Respiratory		Non-Respiratory		TOTAL
	Male	Female	Male	Female	
1953	9	2	7	5	23
1954	5	6	-	2	13
1955	6	6	1	6	19
1956	9	5	2	-	16
1957	9	2	2	-	13
1958	11	3	2	1	17
1959	7	3	2	2	14
1960	4	5	-	-	9
1961	5	2	-	-	7
1962	4	2	-	-	6

NATIONAL
ASSISTANCE
ACT, 1948
& 1951
Section 47

No action taken under this
Section

P A R T 11.

=====

ENVIRONMENTAL HYGIENE

Sanitary Circumstances of the Area

(including Public Cleansing)

Housing, and

Inspection and Supervision of Food.

B Y

E. P. McGLYNN, Esq., M.R.S.H., M.A.P.H.I., etc.

Senior Public Health Inspector

and

Director of Public Cleansing

SANITARY CIRCUMSTANCES OF THE AREA

=====

WATER

RESERVOIRS - Water is supplied by the Fylde Water Board, on the constant system from the following reservoirs - Sunnyhurst Hey, Earnsdale and Bull Hill, of which the first two are open, and the last closed. All the water is from moorland gathering grounds. Water in the Bull Hill Reservoir is supplied from Bolton. Two supplementary water supplies are also available when required from a borehole in the centre of the town and a mineshaft at Eccleshill, piped by a common main to Sunnyhurst Reservoir.

PURIFICATION - All water is sandfiltered and chlorinated.

SUPPLY - The approximate number of dwelling houses supplied direct is 11,242.

SAMPLING

CHEMICAL - Nine samples of water from public supplies were submitted for analysis during the year. All were satisfactorily reported upon.

BACTERIOLOGICAL - Eighteen samples of drinking water from Public Supplies and sixteen samples of drinking water from Private Supplies, serving a small number of properties in two limited areas, were submitted for bacteriological examination. Eight samples from the Public Supplies were satisfactorily reported upon, ten samples were unsatisfactorily reported upon. All these samples were from the Bolton Water Supply via Bull Hill Reservoir and investigations into the possible cause were undertaken jointly by ourselves and the Fylde Water Board. Part cause of the pollution was found to be traceable to a defective main. As a precautionary measure, however, chlorination plant was installed at the outlet end of the Reservoir. Since then the bacteriological quality of the water has improved and recent samples have shown that the pollution has cleared up.

The sixteen samples from Private Supplies were unsatisfactorily reported upon.

Further samples of these supplies are being taken periodically. Users are meantime advised on precautionary measures, whilst steps are being taken for permanent purification by appropriate methods.

SEWERAGE,
DRAINAGE
AND CLOSET
ACCOMMODATION.

The table below gives the closet accommodation
in the Borough :

Pails	104
Water Closets	13,279
Waste Water Closets.....	703
Cesspools	0
Total	14,086
	=====

Conversions and Installations during 1962 :-

New Water Closets fixed	135
Waste Water Closets converted to Water Closets.....	42
Latrine Closets converted to Water Closets.	0
Pail Closets converted to Water Closets....	8
Baths installed during the year.....	72
Showers installed during the year.....	0
Urinals installed during the year.....	0
Waste Water Closets dismantled.....	5
Water Closets dismantled.....	23

Routine testing, inspection, repair and renewal
of existing drains and sewers continued within the
limits of availability of staff, material and labour.

It is hoped that closet conversions will gradually
result in the total abolition of the 703 waste water
closets, but the rate of progress has somewhat slowed
down during the past three years for reasons which
are not clear, so that it is not possible to forecast
when we are likely to see the last of these unhygienic
anachronisms.

RIVERS
and
STREAMS

The river is still somewhat polluted by industrial
waste effluents, though rather less than in previous
years. In addition there is a certain amount of
material dumped in the river by children and
careless householders.

The river is frequently inspected and every
effort made to prevent pollution wherever the
sources are discoverable.

SANITARY
INSPECTION
OF THE
AREA

Number of houses visited.....	581
Number of houses visited (Housing Consolidated Regulations, 1925 to 1932).....	29
Number of inspections of schools.....	3
Number of inspections of factories and workplaces.....	396
Number of inspections of Municipal Hostel.....	52
Number of inspections of bakehouses.....	122
Number of inspections of dairies and cowsheds....	0
Number of inspections of refuse tips.....	129
Complaints received and investigated.....	391
Number of re-inspections made.....	5,358
Visits paid to houses (re cases of Infectious Diseases).....	40
Number of rooms disinfected.....	32
Number of smoke observations taken.....	9
Number of inspections - Smoke Control Areas.....	166
Number of drains, etc. tested.....	287
Total number of defects discovered.....	333
Informal Notices served.....	333
Statutory Notices served.....	97
Number of nuisances abated, including outstanding nuisances from previous year.....	732

LIST OF
NUISANCES
DISCOVERED

Defective drains.....	114
Choked and defective sewers.....	63
Defective soil pipes and water closets.....	9
Defective downspouts, casing troughs, roofs and external walls.....	45
Defective plastering.....	9
Defective roofs and damp walls.....	15
Dirty houses and premises.....	0
Dangerous buildings.....	11
Dirty and dilapidated closet buildings.....	5
Accumulations of refuse.....	177
Defective or uneven gullies.....	5
Insanitary sinks.....	3
Defective fire-ranges.....	0
Broken slop-pipes.....	4
Defective flushing cisterns.....	0
Choked waste water closets.....	27
Choked water closets.....	32
Insanitary yards.....	0
Defective internal floors.....	2
Insufficient ventilation.....	1
Burst water pipes.....	6
Defective wash boilers.....	0
* Miscellaneous nuisances.....	13

* The miscellaneous nuisances include such items as defective pointing, defective woodwork of doors, defective pointing and putty around windows, etc.

SHOPS: FOOD

116 routine and special inspections were made of meat, fish and other food shops and market stalls under the Food Hygiene Regulations. Advice was given as necessary, and various works of improvement initiated. These consisted principally of the installation of requisite washing facilities, and of counter and shelf fittings designed to prevent contamination of food.

INSPECTIONS UNDER SHOPS ACT, 1950

Routine inspections are made and special inspections as occasion requires, but pressure of other work, especially housing, has limited visitation somewhat.

CLEAN AIR AND SMOKE ABATEMENT

Nine smoke observations were taken during the year, and advice and instructions to stokers on firing and use of fuel, to secure as far as possible the prevention of black or heavy smoking, were given. There is a gradual but noticeable reduction of smoke taking place from factory chimneys, and factory owners now seem to be fully alerted to the necessity of preventing smoke emission. For this reason and to this end they are co-operating fully with the Department in replacing defective apparatus, or installing more modern plant and methods of fuel burning, as advised.

Five applications for prior approval to new installations were made and granted during the year.

It is regrettable to have to report that smoke and fumes from the chimney and furnace of the Refined Iron Co., caused further nuisance during the year; but the firm in consultation with the Alkali Inspector are planning various remedial measures to be put into operation in mid-1963 with a view to reducing emissions as far as possible.

A further report on the matter will be given next year.

SMOKE CONTROL AREAS

The survey for the town's first Smoke Control Area was completed early in the year and the Smoke Control Order in connection therewith was submitted to the Minister and confirmed by him on 28th December 1962. Survey then commenced on Area No.2 and is proceeding.

DISINFEST- ATION

During the year seventy-one houses were found to be infested with vermin, chiefly cockroaches. All of these had been disinfested by the end of the year, gaseous fumigation and spraying being the methods employed.

OFFENSIVE TRADES

The following are established in the district :-
Two tripe boilers, one fat extractor and one fat melter.

MUNICIPAL
HOSTEL

This is the only common lodging house in the town and is municipally owned and managed. The average daily number of lodgers for the year was :-

Males.....	123. 08
Females.....	14. 18

FACTORIES

Three hundred and ninety six routine and special visits were paid to factories with and without mechanical power during the year for purposes of the provisions as to health. Defects found (chiefly in connection with sanitary conveniences) were notified to occupiers and by the end of the year, were either completed or in hand. Routine visiting of factories has been stepped up considerably since the last Report.

As previously, the fullest co-operation was maintained between the Department and H.M. Inspector of Factories.

CHIEF
SANITARY
REQUIREMENTS
OF THE
DISTRICT

The chief sanitary requirements of the district are :-

The conversion of pail and waste water closets;

The paving, culverting, embanking and, as far as possible, purification of the river;

The clearance of derelict and neglected sites;

The paving of back streets and unmade roads;

The reduction of the number of private water supplies and the purification and protection of the remainder.

PUBLIC CLEANSING

=====

The whole of this important sanitary service is under the control of the Public Health Department. It comprises the collection and disposal of household and trade refuse and the cleansing of streets.

VEHICLES

The refuse collection and disposal service is completely mechanised. The tractor-drawn trailer tank for nightsoil collection is now in use for one day per week only.

REFUSE COLLECTION

Reference was made in a recent Annual Report to the great difficulties experienced by the Department in keeping the refuse collection frequency at a reasonable level during the winter months. Full particulars were given there of the various factors which have arisen during the past 20 years which affect the position.

The whole of the service has since been put under review, and schemes prepared by a firm of consultants with a view to improving collection frequency.

REFUSE DISPOSAL

The system of controlled tipping continues to be operated at the Corporation-owned Bull Hill Tip - the only one now in use. It is situated near the Southern boundary of the Borough which makes the length of haul from the Northern half somewhat excessive.

SALVAGE

The pre-separation of salvable material from household refuse is still conscientiously carried out by the bulk of householders.

The following is a summary of the materials sold during the year :-

	<u>Tons</u>	<u>Cwts</u>
Clean Waste Papers.....	476	16 $\frac{1}{2}$
Ferrous Metals - Baled Tins.....	nil	nil
Ferrous Metals - Black Scrap.....	39	5
Non-Ferrous Metals.....	1	13 $\frac{1}{4}$
Textiles - Rags, Carpets.....	4	16 $\frac{3}{4}$
	<u>-----</u>	<u>-----</u>
Total	522	11 $\frac{1}{2}$
	<u>-----</u>	<u>-----</u>

The total value of the salvaged materials sold was £ 3,560

The price of waste paper was steady at £ 6/10/0d per ton, until June when it was reduced by 10/- per ton. Container waste remained at £ 7 per ton throughout the year.

A large Nissen type hut sited at Bull Hill Tip is used for sorting and baling waste paper and rags, and separating metals for disposal. Paper and container waste are mechanically baled.

As from October, 1959, the Corporation ceased to process waste food and rented the buildings and plant to a local pig-keeper, whom they licensed and to whom they continue to deliver the waste food collected by them.

H O U S I N G

=====

The table below gives particulars of action taken specifically under the provisions of the Housing Acts in contradistinction to action under the Public Health Acts.

STATISTICS

Number of new houses and flats erected during the year :-

(a)	Total (including numbers given separately under (b)	122
	(i) By Local Authority.....	58
	(ii) By other Local Authorities.....	0
	(iii) By other bodies or persons.....	64
(b)	With State assistance under the Housing Acts:-	
	(i) By the Local Authority (included under (a) (i) above.....	0
	(ii) By other bodies (included under (a)(iii) above)	0

I Inspection of dwelling-houses during the year :-

(1)	(a)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts).....	49
	(b)	Number of inspections made for the purpose	581
(2)	(a)	Number of dwelling-houses (included under sub-head (1) above which were inspected and recorded under the Housing Consolidated Regulations 1925 to 1932).....	29
	(b)	Number of inspections made for the purpose.....	29
(3)		Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation.....	41

..... continued

STATISTICS
(continued)

I	(4)	Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation.....	2
II		Remedy of defects during the year without service of formal notices -	
		Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers.....	0
III		Action under statutory powers during the year -	
	(1)	Proceedings under Sections 9, 10 and 12 of the Housing Act, 1957.	
	(a)	Number of dwelling-houses in respect of which notices were served requiring repairs -	
		Preliminary	2
		Statutory	8
	(b)	Number of dwelling-houses which were rendered fit after service of formal notices -	
	(i)	By owners	3
	(ii)	By Local Authority in default of owners.....	6
	(2)	Proceedings under Public Health Acts -	
	(a)	Number of dwelling-houses in respect of which notices were served requiring defects to be remedied.....	1
	(b)	Number of dwelling-houses in which defects were remedied after service of formal notices -	
	(i)	By owners.....	0
	(ii)	By Local Authority in default of owners.....	1

.... continued ...

STATISTICS
(continued)

III	(3)	Proceedings under Sections 16 and 17 of the Housing Act, 1957.	
	(a)	(i) Number of dwelling-houses in respect of which Demolition Orders were made	38
		(ii) Number of dwelling-houses in ownership of Local Authority dealt with in accordance with Section 3 (3a) of the Housing Subsidies Act, 1956, as directed in Appendix II of Circular 33/56 with a view to demolition.....	0
	(b)	Number of dwelling-houses demolished in pursuance of Demolition Orders.....	31
	(c)	Number of houses demolished where action has been taken under Section 53 of the Over Darwen Improvement Act, 1879.....	0
	(d)	Number of dwelling-houses closed as a result of Closing Orders made under Section 16 and 17 of the Housing Act, 1957.....	7
	(4)	Proceedings under Section 18 of the Housing Act, 1957.	
	(a)	Number of separate tenements or under-ground rooms in respect of which Closing Orders were made.....	0
	(b)	Number of separate tenements or under-ground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit.....	0
	(5)	Houses closed informally by owners.....	0

....continued

STATISTICS
(continued)

III	(6)	Proceedings under Sections 42 and 43 of the Housing Act, 1957.	
		Number of dwelling-houses demolished as a result of Clearance or Compulsory Purchase Orders.....	20
IV		Housing Act, 1957, Part IV - Overcrowding -	
	(1) (a)	Number of dwellings overcrowded at the end of the year.....	0
	(b)	Number of families dwelling therein.....	0
	(c)	Number of persons dwelling therein.....	0
	(2)	Number of new cases of overcrowding reported during the year.....	0
	(3) (a)	Number of cases of overcrowding relieved during the year.....	0
	(b)	Number of persons concerned in such cases....	0
V		Housing Acts, 1949 - 1958	
	(1) (a)	Number of schemes submitted and approved -	
		(i) By private individuals to Local Authority...	6
		(ii) By Local Authority.....	3
	(b)	Number of dwelling-houses affected.....	9
	(2) (a)	Number of schemes approved -	
		(i) Of private individuals.....	6
		(ii) Of the Local Authority.....	3
	(b)	Number of dwelling-houses affected.....	9
	(c)	Number of additional separate dwellings provided.....	0

OVERCROWDING

"Overcrowding" as to mixed sexes in families, not involving legal overcrowding has been fairly common in two-bedroomed houses, but is gradually being reduced.

GENERAL OBSERVATIONS

The chief difficulty in housing work is the inability to secure extensive repairs by informal action, with the result that statutory procedure has to be invoked, with all the additional work and time involved.

A further 26 houses of varying types and sizes have been acquired by the Corporation at the instance of, and by agreement with, the owners, making a total of 241 houses so far taken over, of which 18 were in Housing Clearance or Redevelopment Schemes. Those not in such Schemes have been, or are to be, repaired. Some of the others have been patch-repaired for temporary occupancy pending final clearance.

Inspection, survey and repair proceeded steadily throughout the year.

INSPECTION AND SUPERVISION OF FOOD

=====

SAMPLING MILK

BIOLOGICAL. 106 samples were submitted for guinea pig inoculation. 104 were reported as negative and 2 guinea pigs died of an intercurrent infection too early for diagnosis of tuberculosis. In the latter cases repeat samples were taken.

BACTERIOLOGICAL. 119 samples were examined during the year. 105 were satisfactorily reported upon, 10 were unsatisfactorily reported upon, and 4 were void. The reports were passed on for appropriate action to the Divisional Milk Officer.

CHEMICAL ANALYSIS OF MILK - See Tables I and II below.

MEAT AND OTHER FOODS

The Public Abattoir was closed in June 1941, in pursuance of a Ministry of Food Scheme for further centralising slaughtering.

Butchers' and other food shops, stalls and vehicles, and premises used for the preparation of human food are regularly inspected.

The amount of food examined, certified unfit, and either destroyed or utilised, after sterilisation, for animal feeding-stuffs, was as shown in Table III on page 36.

No legal proceedings were necessary in respect of unsound food during the year.

FOOD AND DRUGS

The Local Authority, by direction of the Minister, is the Food and Drugs Authority for the Borough.

Close co-operation is maintained with the Public Analyst, whose advice and help are always available and much valued.

The quality of the food sold in the district is generally good.

CHEMICAL ANALYSIS OF OTHER FOODS -

See Table I

TABLE I - SAMPLES REPORTED GENUINE

=====

NO. OF SAMPLES	DESCRIPTION	FORMAL	INFORMAL
50	Milk	50	-
1	Table Jelly.....	-	1
1	Lemon Cheese.....	-	1
2	Aspirin Tablets.....	-	2
6	Ice Cream.....	-	6
2	Pork Sausage.....	-	2
1	Red Cabbage.....	-	1
1	White Pepper.....	-	1
2	Instant Coffee.....	-	2
1	Tomato Sauce.....	-	1
2	Chicken in Jelly.....	-	2
1	Gin and Orange Sweets.....	-	1
1	Beef Sausage.....	-	1
1	Lancashire Cheese.....	-	1
1	Chicken and Ham Sliced.....	-	1
1	Lamb Chop with Veg.....	-	1
1	Steak and Kidney Pie.....	-	1
1	Artificial Colour.....	-	1
1	Pepper Sauce.....	-	1
1	Chili Sauce.....	-	1
1	Rollmops.....	-	1
1	German Mustard.....	-	1
1	Composition Essence.....	-	1
1	Christmas Cake.....	-	1
1	Christmas Pudding.....	-	1
1	Assorted Biscuits.....	-	1
1	Cocktail Biscuits.....	-	1
1	Ground Almonds.....	-	1
1	Desiccated Coconut.....	-	1
1	Orange Drink.....	-	1
1	Pure Malt Vinegar.....	-	1
1	Currants.....	-	1
1	Pheasant Consomme with Sherry Wine..	-	1
3	Whisky.....	3	-
2	Brandy.....	2	-
1	Rum.....	1	-
2	Gin.....	2	-
1	Peeled Plum Tomatoes.....	-	1
1	Bristol Cream Sherry.....	1	-
1	Vodka.....	1	-
1	Advocaat.....	1	-
1	Apricot Brandy.....	1	-
1	Self-Raising Flour.....	-	1

TABLE II - SAMPLES REPORTED NOT GENUINE

=====

CONS. NO.	NO. OF SAMPLES	DESCRIPTION	FORMAL	INFORMAL	RESULT	ACTION TAKEN
1	1	Milk	x		Deficient 3.3% fat	Vendor notified Follow-up sample satisfactory
2	1	Pork Sausage		x	Meat content only 58%. Poor in meat content. Contained 250 parts per million of sulphite preservatives (expressed as sulphur dioxide) without declaration	Vendor notified
3	1	Milk		x	Inside surface of one side of bottle bore traces of atmospheric dust, fungus and algae	Dairy owners cautioned
4	1	Pork Sausage		x	Meat content 65%. Contained 230 parts per million of sulphite preservative (expressed as sulphur dioxide) without declaration	Vendor communicated with
5	1	Pork Sausage		x	Meat content 60%. Poor in meat content	Vendor communicated with

..... continued

TABLE II - SAMPLES REPORTED NOT GENUINE

CONS. NO.	NO. OF SAMPLES	DESCRIPTION	FORMAL	INFORMAL	RESULT	ACTION TAKEN
6	1	Milk	x		Contained 0.3 I.U. Penicillin per m.l.	Farmer interviewed. Divisional Milk Officer informed
7	1	Milk	x		Deficient 3.3% fat. Low in solids-not-fat	Vendor notified. For follow-up sample see No.11 below
8	1	Rum	x		Rum of proof strength 56.7% by volume. Water 43.3% by volume	Court case heard 18.2.63 Plea of guilty. Fined £5
9	1	Sloe Gin	x		Lead content 2.4 parts per million. Limit is 1.0 part per million lead	Further sample (No.10 below q.v) taken from same stock
10	1	Sloe Gin		x	Lead content 2.3 parts per million lead	Packer communicated with
11	1	Milk	x		Deficient 1.6% fat.	Vendor notified

TABLE III - SHOWING AMOUNT AND NATURE OF FOOD

CONDEMNED DURING 1962

=====

AMOUNT	NATURE OF FOOD	AMOUNT	NATURE OF FOOD
388 tins	Assorted Fruit	99 tins	Assorted Vegetables
23 tins	Ham	4 tins	Corned Mutton
2 tins	Chicken	22 tins	Corned Beef
13 tins	Pork Luncheon Meat	5 tins	Stewed Steak
1 tin	Chopped Ham Roll	4 tins	Tongue
4 tins	Casserole Steak	35 tins	Assorted Soup
18 tins	Milk	3 tins	Sardines
9 tins	Shrimps	6 tins	Baked Beans
20 tins	Rice Pudding	3 tins	Sponge Pudding
1 tin	Strained Egg Custard with Rice	82 tins	Baking Powder
1 tin	Marmalade	13 tins	Steak Puddings
19 tins	Vegetable Salad	1 tin	Corn on the Cob
15 tins	Pilchards	3 tins	Creamed Sago
4 tins	Salmon	1 tin	Bacon Pudding
3 tins	Prunes with Cereal	5 tins	Assorted Juices
1 tin	Custard Powder	2 tins	Irish Stew
10 tins	Strained Prunes	1 tin	Strained Veal Dinner
116 jars	Onions	72 jars	Mixed Pickles
6 jars	Beetroot	7 jars	Pickled Cabbage
1 jar	Spread Orange	4 jars	Cream
1 jar	Pears	1 jar	Salmon Spread
7 pkts	College Pudding	137 pkts	Biscuits
9 lbs	Ham	1 pkt	Dates
		71 lbs	Beef

RATS AND MICE DESTRUCTION

=====

Investigation and disinfection proceeded steadily throughout the year, and it has become increasingly obvious that the initial survey and co-ordinated treatments, and especially the comprehensive and radical treatment of the sewers, have reduced to a low level the degree of infestation in the town. This has been maintained now for sixteen years, and it is expected that regular re-survey, sewer maintenance treatment and block control, will keep it there or still further reduce it.

The following table gives a summary of the work done throughout the year :-

NO. OF PREMISES INSPECTED	NO. OF PREMISES FOUND INFESTED	NO. OF TREATMENTS CARRIED OUT		ESTIM- ATED KILL OF RATS	CUM. TOTAL OF RATS KILLED SINCE INCEPT- ION OF SERVICE
		FULL	TEST		
273 (including 72 hen-pens)	111	140	100	147	33,728

SEWER
TREATMENTS

DATE	NUMBER OF MANHOLES TREATED	ESTIMATED KILL
May	163	4
October	45	8

I N D E X

=====

	<u>PAGE</u>
INTRODUCTION.....	6
MEMBERS OF PUBLIC HEALTH COMMITTEE.....	2
CLINICS AND TREATMENT CENTRES.....	4, 5
STAFF OF PUBLIC HEALTH DEPARTMENT.....	3

PART I

<u>STATISTICS AND SOCIAL CONDITIONS.....</u>	8 to 13
BIRTHS - Illegitimate.....	9,11
Legitimate.....	9
Live Births.....	9,11
Still Births.....	9,12
Total Births.....	9,11
DEATHS - Causes and Sex Distribution.....	13
Infantile Mortality.....	9,10
Maternal Mortality.....	9
Neo-Natal Mortality.....	10
Total Deaths and Death Rates.....	9,12
Other Infant Deaths.....	10
SUMMARY OF STATISTICS.....	8
GENERAL PROVISIONS OF HEALTH SERVICES.....	14
INFECTIOUS DISEASES :	
Comparative Incidence.....	16
Numerical and Age Incidence.....	15
Prevalence and Control.....	15
TUBERCULOSIS :	
General.....	17
Age Group Incidence, New Cases, Deaths.....	17,18
NATIONAL ASSISTANCE ACT, 1948 and 1951.....	18

PART II

ENVIRONMENTAL HYGIENE -

SANITARY CIRCUMSTANCES OF THE AREA.....	20 to 24
CHIEF SANITARY REQUIREMENTS OF THE DISTRICT.....	24
CLEAN AIR AND SMOKE ABATEMENT.....	23
DISINFESTATION.....	23

	<u>PAGE</u>
FACTORIES.....	24
MUNICIPAL HOSTEL.....	24
NUISANCES DISCOVERED, LIST OF.....	22
OFFENSIVE TRADES.....	23
PUBLIC CLEANSING -	
General.....	25
Refuse Disposal.....	25
Salvage.....	26
Vehicles.....	25
RIVERS AND STREAMS.....	21
SANITARY INSPECTION OF THE AREA.....	22
SEWERAGE, DRAINAGE AND CLOSET ACCOMMODATION.....	21
SHOPS.....	23
SMOKE CONTROL AREAS.....	23
WATER	20
Purification.....	20
Reservoirs.....	20
Sampling.....	20
Supply.....	20
HOUSING.....	27 to 31
General Observations.....	31
Overcrowding.....	30,31
Statistics.....	27,28 29,30
INSPECTION AND SUPERVISION OF FOOD.....	32 to 36
Food and Drugs Sampling.....	33,34,35
Food Condemned.....	36
Meat and Other Foods.....	32
Milk - Sampling.....	32,33,34,35
Other Foods - Sampling.....	33,34,35
RATS AND MICE DESTRUCTION.....	37
Sewer Treatments.....	37

